					DEPARTMENT	T OF NA	OF UTAH TURAL RES GAS AND M				AMEN	FC DED REPOR	RM 3	
		AP	PLICATION F	OR P	ERMIT TO DRILL					1. WELL NAME and NU		-25-9-15		
2. TYPE O	F WORK	DRILL NEW WELL	REENTE	R P&A \	WELL DEEPEN	I WELL	<u> </u>			3. FIELD OR WILDCAT	г	NT BUTTE		
4. TYPE O	F WELL				Methane Well: NO					5. UNIT or COMMUNIT	FIZATION GMBU (		ENT NAM	IE
6. NAME C	F OPERATOR		NEWFIELD PRO	DDUCT	TON COMPANY					7. OPERATOR PHONE		, ,		
8. ADDRES	SS OF OPERATO	DR .			on, UT, 84052					9. OPERATOR E-MAIL	_	ewfield.co	m	
	AL LEASE NUM		THE DEAL COOK		11. MINERAL OWNERS	-				12. SURFACE OWNERS	SHIP		_	_
Ĺ.		UTU-02458 DWNER (if box 12 =	- Ifoo!\		FEDERAL (III) INC	DIAN (	) STATE (	) FEE		FEDERAL INI	DIAN (	(if hay 12		EE()
		<u> </u>	, 									`		
15. ADDRI	5. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')  16. SURFACE OWNER E-MAIL (if box 12 = 'fee')													
	17. INDIAN ALLOTTEE OR TRIBE NAME if box 12 = 'INDIAN')  18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS  19. SLANT													
<u> </u>	YES (Submit Commingling Application) NO VERTICAL DIRECTIONAL HORIZONTAL													
20. LOCA	20. LOCATION OF WELL FOOTAGES QTR-QTR SECTION TOWNSHIP RANGE MERIDIAN													
LOCATION AT SURFACE         559 FSL 811 FEL         SESE         24         9.0 S         15.0 E											S			
Top of U	ppermost Prod	ucing Zone	1	54 FSL	. 443 FEL		SESE	24		9.0 S	1:	5.0 E		S
At Total	Depth		3	08 FNL	NL 45 FEL		NENE	25		9.0 S		5.0 E		S
21. COUN	TY	DUCHESNE		2	22. DISTANCE TO NEA		EASE LINE (F	eet)		23. NUMBER OF ACRE		ILLING UN 0	IT	
					25. DISTANCE TO NEA Applied For Drilling	or Comp		E POOL		26. PROPOSED DEPTH		TVD: 564	4	
27. ELEV <i>A</i>	TION - GROUN	D LEVEL		2	28. BOND NUMBER		<del>3</del> 2			29. SOURCE OF DRILI				
		6082				WYBO	000493			WATER RIGHTS APPR		478	PPLICAB	LE
					Hole, Casing									
String	Hole Size	Casing Size	Length	Weig	-		Max Mud Wt.		Cement		Sacks	Yield	Weight	
SURF	12.25	8.625	0 - 300	24			8.			Class G		138	1.17	15.8
PROD	7.875	5.5	0 - 5783	15	.5 J-55 LT	&C	8.	3	Prei	mium Lite High Strer 50/50 Poz	ngtn	261 363	3.06 1.24	11.0
					Α	ТТАСН	IMENTS					I		
	VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<b>w</b> w	WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER													
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)  FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER														
<b>I</b> ✓ DIF	DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)  TOPOGRAPHICAL MAP													
NAME He	NAME Heather Calder TITLE Production Technician PHONE 435 646-4936													
SIGNATU	RE			$\neg$	<b>DATE</b> 04/24/2014					EMAIL hcalder@newfi	eld.com			
	BER ASSIGNED 013529510	0000			APPROVAL			`	Barr	OSGILLA mit Manager				
									rer	mit manager				

# NEWFIELD PRODUCTION COMPANY GMBU A-25-9-15 AT SURFACE: SE/SE SECTION 24, T9S R15E DUCHESNE COUNTY, UTAH

#### TEN POINT DRILLING PROGRAM

#### 1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

#### 2. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:</u>

Uinta 0' - 3,320' Green River 3,320' Wasatch 5,795'

**Proposed TD** 5,783'(MD) 5,644' (TVD)

#### 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:</u>

Green River Formation (Oil) 3,320' – 5,795'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval Date Sampled Flow Rate Temperature

Hardness pH

Water Classification (State of Utah)

Dissolved Calcium (Ca) (mg/l)

Dissolved Iron (Fe) (ug/l)

Dissolved Sodium (Na) (mg/l)

Dissolved Carbonate (CO<sub>3</sub>) (mg/l)

Dissolved Bicarbonate (NaHCO<sub>3</sub>) (mg/l)

Dissolved Sulfate (SO<sub>4</sub>) (mg/l)

Dissolved Total Solids (TDS) (mg/l)

#### 4. <u>PROPOSED CASING PROGRAM</u>

a. Casing Design: GMBU A-25-9-15

Size	lı	nterval	Weight	Grade	Coupling	Design Factors			
Size	Тор	Bottom	weigni	Grade	Coupling	Burst	Collapse	Tension	
Surface casing	0'	300'	24.0	J-55	STC	2,950	1,370	244,000	
8-5/8"	U	300	24.0	J-55	310	17.53	14.35	33.89	
Prod casing	2	F 700!	45.5	1.55	1.70	4,810	4,040	217,000	
5-1/2"	0'	5,783'	15.5	J-55	LTC	2.61	2.20	2.42	

#### Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at prod casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU A-25-9-15

Job	Fill	Description	Sacks ft <sup>3</sup>	OH Excess*	Weight (ppg)	Yield (ft³/sk)
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
Surface casing	300	Class G W/ 2/0 CaCl	161	30 %	15.0	1.17
Prod casing	3,783'	Prem Lite II w/ 10% gel + 3%	261	30%	11.0	3.26
Lead	3,763	KCI	852	30%	11.0	3.20
Prod casing	2,000'	50/50 Poz w/ 2% gel + 3%	363	30%	14.3	1.24
Tail	2,000	KCI	451	30%	14.3	1.24

<sup>\*</sup>Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

#### 5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL</u>:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

#### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

From surface to ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

#### 7. <u>AUXILIARY SAFETY EQUIPMENT TO BE USED:</u>

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

#### 8. <u>TESTING, LOGGING AND CORING PROGRAMS</u>:

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

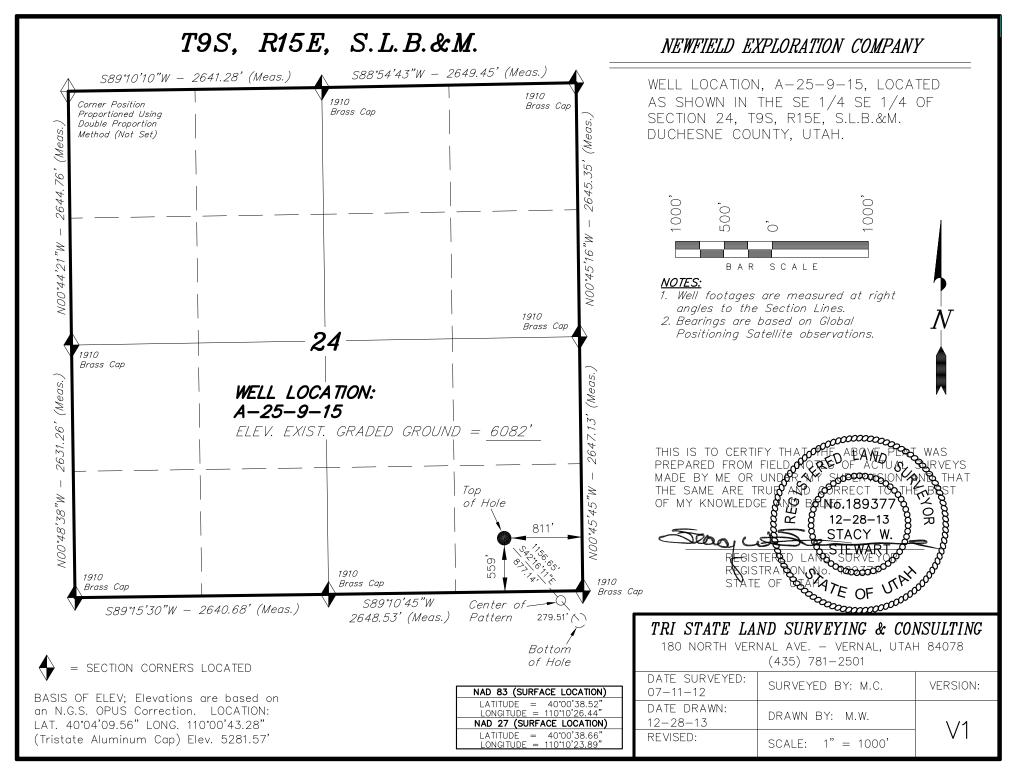
#### 9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

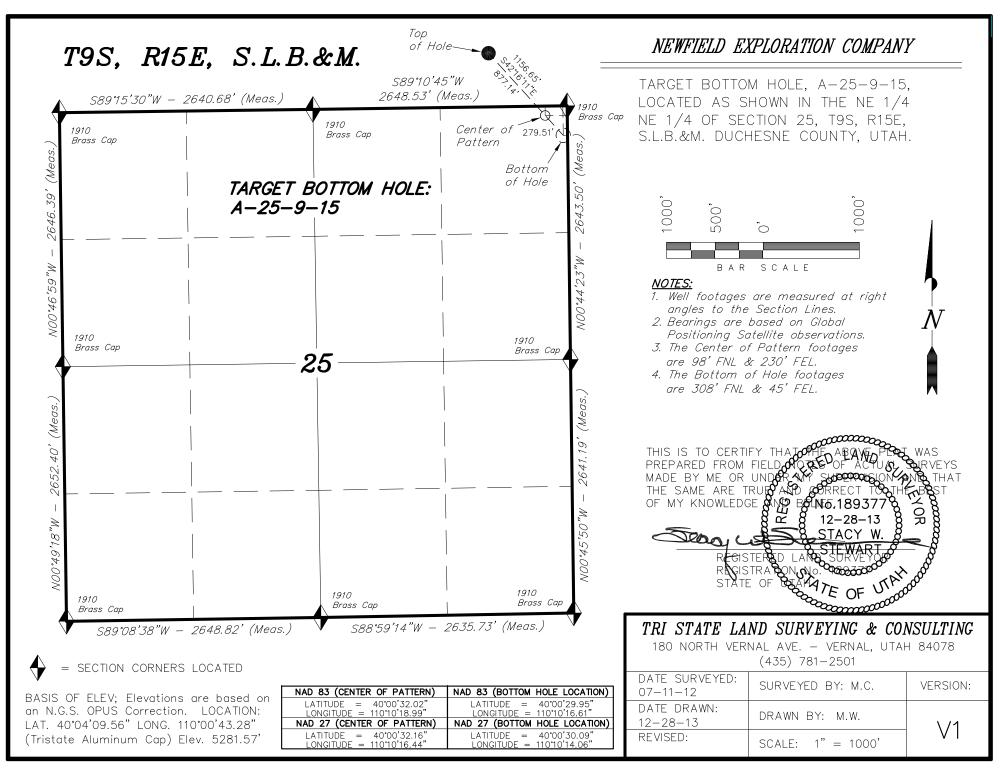
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a  $0.433~\mathrm{psi/foot}$  gradient.

#### 10. <u>ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:</u>

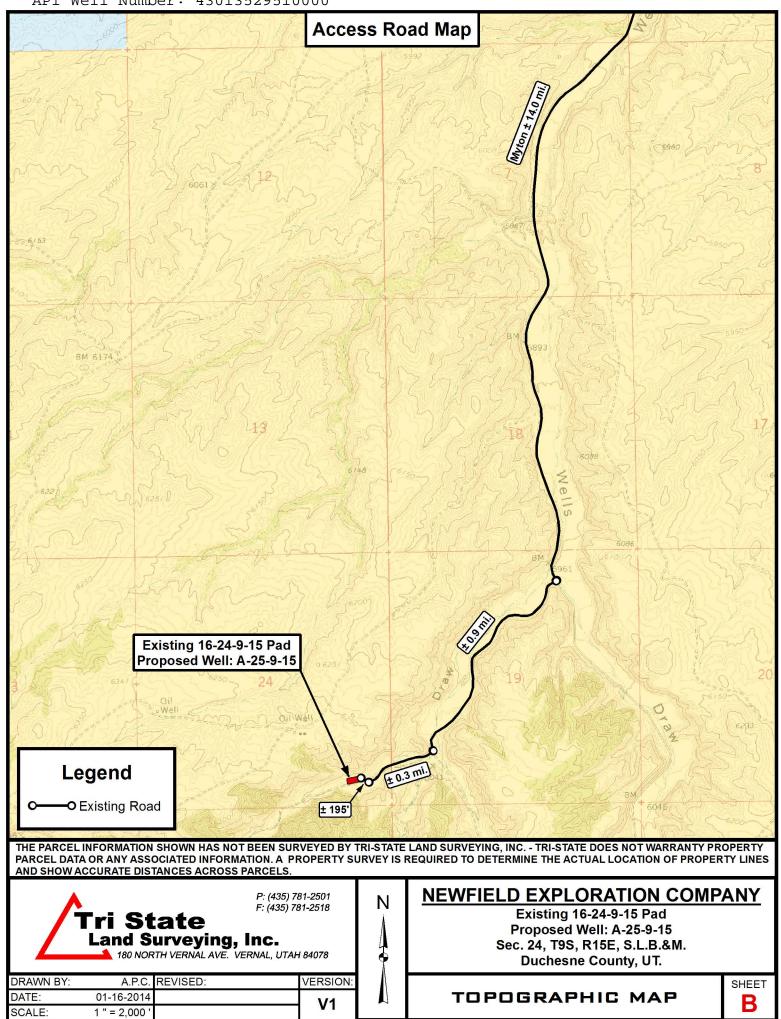
It is anticipated that the drilling operations will commence the third quarter of 2014, and take approximately seven (7) days from spud to rig release.



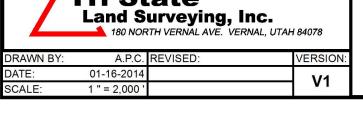


API Well Number: 43013529510000 **Access Road Map MYTON** St. 7 mil Duch Bench Bridgelan Fumping Radio Facility Myton (#4.7mi.) VALLEY South CerralC PLEASANT RESERVATION INDIAN UNTAH FIRALL USUM 234 ± 6.2 mi. Existing 16-24-9-15 Pad Proposed Well: A-25-9-15 Pariette Legend See Topo "B" **-**O Existing Road ± 0.3 mi. **NEWFIELD EXPLORATION COMPANY** P: (435) 781-2501 F: (435) 781-2518 Existing 16-24-9-15 Pad Tri State Proposed Well: A-25-9-15 Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078 Sec. 24, T9S, R15E, S.L.B.&M. **Duchesne County, UT.** A.P.C. DRAWN BY: REVISED: VERSION: SHEET DATE: 01-16-2014 TOPOGRAPHIC MAP V1 SCALE: 1:100,000



API Well Number: 43013529510000 **Proposed Pipeline Map** Existing 16-24-9-15 Pad Proposed Well: A-25-9-15 Existing Gas Pipeline Legend Existing Road THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS. **NEWFIELD EXPLORATION COMPANY** P: (435) 781-2501 F: (435) 781-2518 Existing 16-24-9-15 Pad 'ri State Proposed Well: A-25-9-15 Land Surveying, Inc. Sec. 24, T9S, R15E, S.L.B.&M.



**Duchesne County, UT.** 

TOPOGRAPHIC MAP



API Well Number: 43013529510000 Exhibit "B" Map Existing 16-24-9-15 Pad Proposed Well: A-25-9-15 Legend 1 Mile Radius Pad Location THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS. **NEWFIELD EXPLORATION COMPANY** P: (435) 781-2501 F: (435) 781-2518 Existing 16-24-9-15 Pad 'ri State Proposed Well: A-25-9-15 Land Surveying, Inc. Sec. 24, T9S, R15E, S.L.B.&M.



**Duchesne County, UT.** 

TOPOGRAPHIC MAP



	Coordin	ate Report	
Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
16-24-9-15	Surface Hole	40° 00' 38.69" N	110° 10' 26.28" W
A-25-9-15	Surface Hole	40° 00' 38.52" N	110° 10' 26.44" W
A-25-9-15	Center of Pattern	40° 00′ 32.02″ N	110° 10' 18.99" W
A-25-9-15	Bottom of Hole	40° 00' 29.95" N	110° 10' 16.61" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
16-24-9-15	Surface Hole	40.010748	110.173967
A-25-9-15	Surface Hole	40.010701	110.174012
A-25-9-15	Center of Pattern	40.008896	110.171941
A-25-9-15	Bottom of Hole	40.008321	110.171281
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
16-24-9-15	Surface Hole	4429276.902	570499.275
A-25-9-15	Surface Hole	4429271.630	570495.539
A-25-9-15	Center of Pattern	4429072.915	570674.157
A-25-9-15	Bottom of Hole	4429009.592	570731.076
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
16-24-9-15	Surface Hole	40° 00' 38.83" N	110° 10' 23.73" W
A-25-9-15	Surface Hole	40° 00' 38.66" N	110° 10' 23.89" W
A-25-9-15	Center of Pattern	40° 00' 32.16" N	110° 10' 16.44" W
A-25-9-15	Bottom of Hole	40° 00' 30.09" N	110° 10' 14.06" W
Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
16-24-9-15	Surface Hole	40.010785	110.173260
A-25-9-15	Surface Hole	40.010738	110.173304
A-25-9-15	Center of Pattern	40.008933	110.171233
A-25-9-15	Bottom of Hole	40.008358	110.170573
Well Number	Feature Type	Northing (NAD 27) (UTM Meters)	Longitude (NAD 27) (UTM Meters
16-24-9-15	Surface Hole	4429071.559	570561.492
A-25-9-15	Surface Hole	4429066.287	570557.756
A-25-9-15	Center of Pattern	4428867.572	570736.377
A-25-9-15	Bottom of Hole	4428804.249	570793.297



P: (435) 781-2501 F: (435) 781-2518

DRAWN BY: A.P.C. REVISED: DATE: 01-16-2014 VERSION:

## **NEWFIELD EXPLORATION COMPANY**

**Existing 16-24-9-15 Pad** Proposed Well: A-25-9-15 Sec. 24, T9S, R15E, S.L.B.&M. **Duchesne County, UT.** 

COORDINATE REPORT

SHEET



# **NEWFIELD EXPLORATION**

USGS Myton SW (UT) SECTION 24 T9S, R15E A-25-9-15

Wellbore #1

Plan: Design #1

# **Standard Planning Report**

31 December, 2013





#### **Payzone Directional**

Planning Report



EDM 5000.1 Single User Db Database: Company: **NEWFIELD EXPLORATION** Project: USGS Myton SW (UT) SECTION 24 T9S, R15E Site:

Well: A-25-9-15 Wellbore: Wellbore #1 Design #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well A-25-9-15

A-25-9-15 @ 6092.0usft (PLAN) A-25-9-15 @ 6092.0usft (PLAN)

Minimum Curvature

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:

US State Plane 1983

Geo Datum: Map Zone:

**Position Uncertainty** 

North American Datum 1983 Utah Central Zone

System Datum:

Mean Sea Level

SECTION 24 T9S, R15E Site

Site Position: From: Lat/Long Northing: Easting:

7,175,143.19 usft 2,010,834.60 usft 13-3/16 "

Latitude: Longitude: **Grid Convergence:** 

40° 0' 36.380 N 110° 10' 38.920 W 0.85

**Position Uncertainty:** 0.0 usft Slot Radius:

Well A-25-9-15, SHL: 40°00'38.52" -110°10'26.44"

**Well Position** +N/-S 216.5 usft +E/-W 971.0 usft 0.0 usft

Northing: Easting:

7,175,374.06 usft 2,011,802.28 usft Wellhead Elevation: 6,092.0 usft

Latitude: Longitude: **Ground Level:** 

40° 0' 38.520 N 110° 10' 26.440 W 6,082.0 usft

Wellbore Wellbore #1 Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (nT) (°) (°) IGRF2010 12/31/2013 11.03 65.68 51,980

Design	Design #1					
Audit Notes:						
Version:		Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction	
		(usft)	(usft)	(usft)	(°)	
		0.0	0.0	0.0	137.73	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,547.3	14.21	137.73	1,537.6	-86.5	78.6	1.50	1.50	14.54	137.73	
4,644.4	14.21	137.73	4,540.0	-649.1	590.0	0.00	0.00	0.00	0.00	A-25-9-15 TGT
5,783.3	14.21	137.73	5,644.0	-855.9	778.0	0.00	0.00	0.00	0.00	



#### **Payzone Directional**

Planning Report



Database: EDM 5000.1 Single User Db Company: NEWFIELD EXPLORATION Project: USGS Myton SW (UT) Site: SECTION 24 T9S, R15E

 Well:
 A-25-9-15

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well A-25-9-15

A-25-9-15 @ 6092.0usft (PLAN) A-25-9-15 @ 6092.0usft (PLAN)

True

Minimum Curvature

isign:	Design #1								
anned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	137.73	700.0	-1.0	0.9	1.3	1.50	1.50	0.00
800.0	3.00	137.73	799.9	-3.9	3.5	5.2	1.50	1.50	0.00
900.0	4.50	137.73	899.7	-8.7	7.9	11.8	1.50	1.50	0.00
1,000.0	6.00	137.73	999.3	-15.5	14.1	20.9	1.50	1.50	0.00
1,100.0	7.50	137.73	1,098.6	-24.2	22.0	32.7	1.50	1.50	0.00
1,200.0	9.00	137.73	1,197.5	-34.8	31.6	47.0	1.50	1.50	0.00
1,300.0	10.50	137.73	1,296.1	-47.3	43.0	64.0	1.50	1.50	0.00
1,400.0	12.00	137.73	1,394.2	-61.8	56.1	83.5	1.50	1.50	0.00
1,500.0	13.50	137.73	1,491.7	-78.1	71.0	105.5	1.50	1.50	0.00
1,547.3	14.21	137.73	1,537.6	-86.5	78.6	116.9	1.50	1.50	0.00
1,600.0	14.21	137.73	1,588.7	-96.1	87.3	129.8	0.00	0.00	0.00
1,700.0	14.21	137.73	1,685.6	-114.2	103.8	154.3	0.00	0.00	0.00
1,800.0	14.21	137.73	1,782.6	-132.4	120.3	178.9	0.00	0.00	0.00
1,900.0	14.21	137.73	1,879.5	-150.5	136.8	203.4	0.00	0.00	0.00
2,000.0	14.21	137.73	1,976.5	-168.7	153.4	228.0	0.00	0.00	0.00
2,100.0	14.21	137.73	2,073.4	-186.9	169.9	252.5	0.00	0.00	0.00
2,200.0	14.21	137.73	2,170.3	-205.0	186.4	277.1	0.00	0.00	0.00
2,300.0	14.21	137.73	2,267.3	-223.2	202.9	301.6	0.00	0.00	0.00
2,400.0	14.21	137.73	2,364.2	-241.4	219.4	326.2	0.00	0.00	0.00
2,500.0	14.21	137.73	2,461.2	-259.5	235.9	350.7	0.00	0.00	0.00
2,600.0	14.21	137.73	2,558.1	-277.7	252.4	375.3	0.00	0.00	0.00
2,700.0	14.21	137.73	2,655.0	-295.9	268.9	399.8	0.00	0.00	0.00
2,800.0	14.21	137.73	2,752.0	-314.0	285.4	424.4	0.00	0.00	0.00
2,900.0	14.21	137.73	2,848.9	-332.2	302.0	448.9	0.00	0.00	0.00
3,000.0	14.21	137.73	2,945.9	-350.4	318.5	473.5	0.00	0.00	0.00
3,100.0	14.21	137.73	3,042.8	-368.5	335.0	498.0	0.00	0.00	0.00
3,200.0	14.21	137.73	3,139.8	-386.7	351.5	522.6	0.00	0.00	0.00
3,300.0	14.21	137.73	3,236.7	-404.9	368.0	547.1	0.00	0.00	0.00
3,400.0	14.21	137.73	3,333.6	-423.0	384.5	571.7	0.00	0.00	0.00
3,500.0	14.21	137.73	3,430.6	-441.2	401.0	596.2	0.00	0.00	0.00
3,600.0	14.21	137.73	3,527.5	-459.3	417.5	620.8	0.00	0.00	0.00
3,700.0	14.21	137.73	3,624.5	-477.5	434.0	645.3	0.00	0.00	0.00
3,800.0	14.21	137.73	3,721.4	-495.7	450.6	669.8	0.00	0.00	0.00
3,000.0	14.41	131.13	J, 1 Z 1.4	<del>-1</del> 3J.1	450.0	009.0	0.00	0.00	0.00
3,900.0	14.21	137.73	3,818.3	-513.8	467.1	694.4	0.00	0.00	0.00
4,000.0	14.21	137.73	3,915.3	-532.0	483.6	718.9	0.00	0.00	0.00
4,100.0	14.21	137.73	4,012.2	-550.2	500.1	743.5	0.00	0.00	0.00
4,200.0	14.21	137.73	4,109.2	-568.3	516.6	768.0	0.00	0.00	0.00
4,300.0	14.21	137.73	4,206.1	-586.5	533.1	792.6	0.00	0.00	0.00
4 400 0	44.04	107.70	4 202 0	6047	F40.0	047.4	0.00	0.00	0.00
4,400.0	14.21	137.73	4,303.0	-604.7	549.6	817.1	0.00	0.00	0.00
4,500.0	14.21	137.73	4,400.0	-622.8	566.1	841.7	0.00	0.00	0.00
4,600.0	14.21	137.73	4,496.9	-641.0	582.6	866.2	0.00	0.00	0.00
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4,900.0	14.21	137.73	4,787.7	-695.5	632.2	939.9	0.00	0.00	0.00
5,000.0	14.21	137.73	4,884.7	-713.7	648.7	964.4	0.00	0.00	0.00
5,100.0	14.21	137.73							
	14 21	137 /3	4,981.6	-731.8	665.2	989.0	0.00	0.00	0.00



Well:

Wellbore:

Design:

#### **Payzone Directional**

Planning Report



Database: Company: Project: Site:

EDM 5000.1 Single User Db NEWFIELD EXPLORATION USGS Myton SW (UT) SECTION 24 T9S, R15E

A-25-9-15 Wellbore #1 Design #1 Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well A-25-9-15

A-25-9-15 @ 6092.0usft (PLAN) A-25-9-15 @ 6092.0usft (PLAN)

True

Minimum Curvature

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	14.21	137.73	5,078.6	-750.0	681.7	1,013.5	0.00	0.00	0.00
5,300.0	14.21	137.73	5,175.5	-768.1	698.2	1,038.1	0.00	0.00	0.00
5,400.0	14.21	137.73	5,272.4	-786.3	714.7	1,062.6	0.00	0.00	0.00
5,500.0	14.21	137.73	5,369.4	-804.5	731.2	1,087.2	0.00	0.00	0.00
5,600.0	14.21	137.73	5,466.3	-822.6	747.8	1,111.7	0.00	0.00	0.00
5,700.0	14.21	137.73	5,563.3	-840.8	764.3	1,136.3	0.00	0.00	0.00
5,783.3	14.21	137.73	5,644.0	-855.9	778.0	1,156.7	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
A-25-9-15 TGT - plan hits target cent - Circle (radius 75.0)		0.00	4,540.0	-649.1	590.0	7,174,733.81	2,012,401.82	40° 0' 32.105 N	110° 10' 18.857 W

API Well Number: 43013529510000
Project: USGS Myton SW (UT)



Site: SECTION 24 T9S, R15E

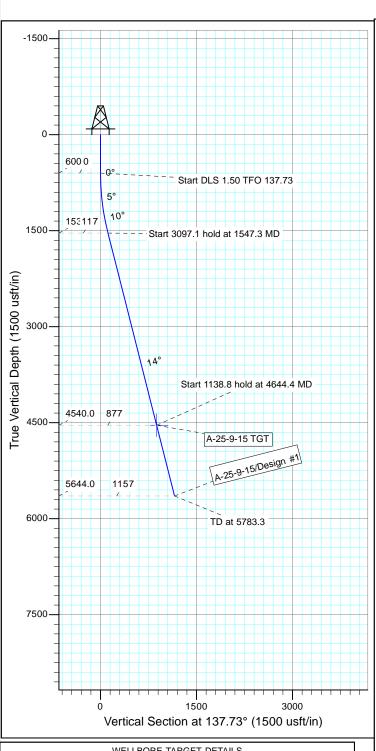
Well: A-25-9-15 Wellbore: Wellbore #1 Design: Design #1

KOP @ 600' DOGLEG RATE 1.5 DEG/100 TARGET RADIUS IS 75'



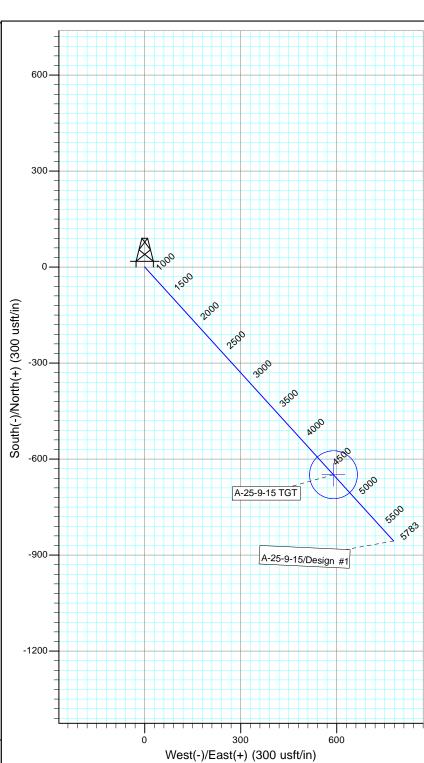
Azimuths to True North Magnetic North: 11.03°

Magnetic Field Strength: 51980.4snT Dip Angle: 65.68° Date: 12/31/2013 Model: IGRF2010









SECTION DETAILS +E/-W 0.0 0.0 78.6 590.0 778.0 +N/-S 0.0 0.0 -86.5 -649.1 -855.9 Target A-25-9-15 TGT

#### NEWFIELD PRODUCTION COMPANY GMBU A-25-9-15 AT SURFACE: SE/SE SECTION 24, T9S R15E DUCHESNE COUNTY, UTAH

#### ONSHORE ORDER NO. 1

#### **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

#### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU A-25-9-15 located in the SE 1/4 SE 1/4 Section 24, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40-1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southwesterly direction -12.6 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly -1.2 miles  $\pm$  to it's junction with the beginning of the access road to the existing 16-24-9-15 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

#### 2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 16-24-9-15 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

#### 3. <u>LOCATION OF EXISTING WELLS</u>

Refer to Exhibit "B".

#### 4. <u>LOCATION OF EXISTING AND/OR PROPOSED FACILITIES</u>

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

#### 5. <u>LOCATION AND TYPE OF WATER SUPPLY</u>

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District Water Right: 43-7478

Maurice Harvey Pond Water Right: 47-1358

Neil Moon Pond

Water Right: 43-11787

Newfield Collector Well

Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

#### 6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

#### 8. <u>ANCILLARY FACILITIES</u>

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

#### 9. <u>WELL SITE LAYOUT</u>

See attached Location Layout Sheet.

#### **Fencing Requirements**

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
  - 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
  - 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
  - 3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

#### 10. PLANS FOR RESTORATION OF SURFACE:

#### a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

#### b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

#### 11. <u>SURFACE OWNERSHIP</u> – Bureau of Land Management.

#### 12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 14-059 3/25/14, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, SWCA Environmental Consultants, Report No. UT14-14273-48, March 2014. See attached report cover pages, Exhibit "D".

#### Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU A-25-9-15, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU A-25-9-15, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

#### 13. <u>LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:</u>

#### Representative

Name: Corie Miller

Address: Newfield Production Company

Route 3, Box 3630 Myton, UT 84052

Telephone: (435) 646-3721

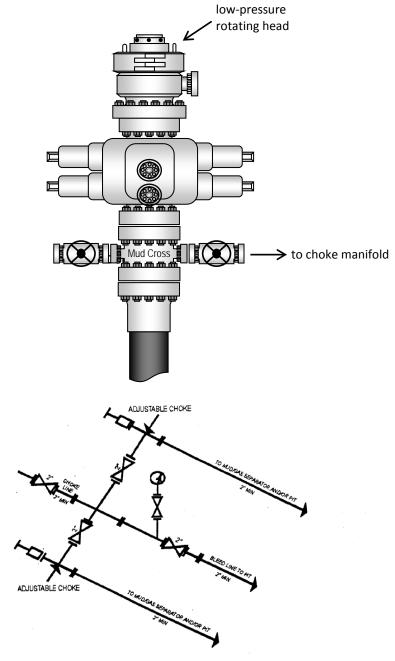
#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #A-25-9-15, Section 24, Township 9S, Range 15E: Lease UTU-02458 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

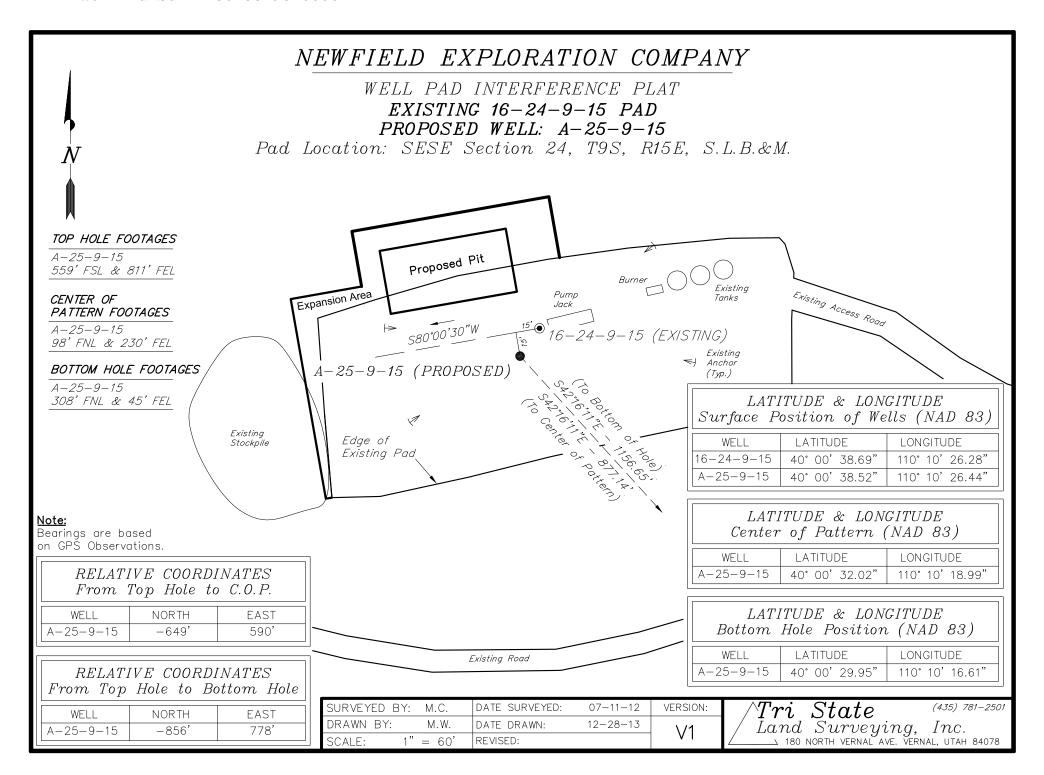
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

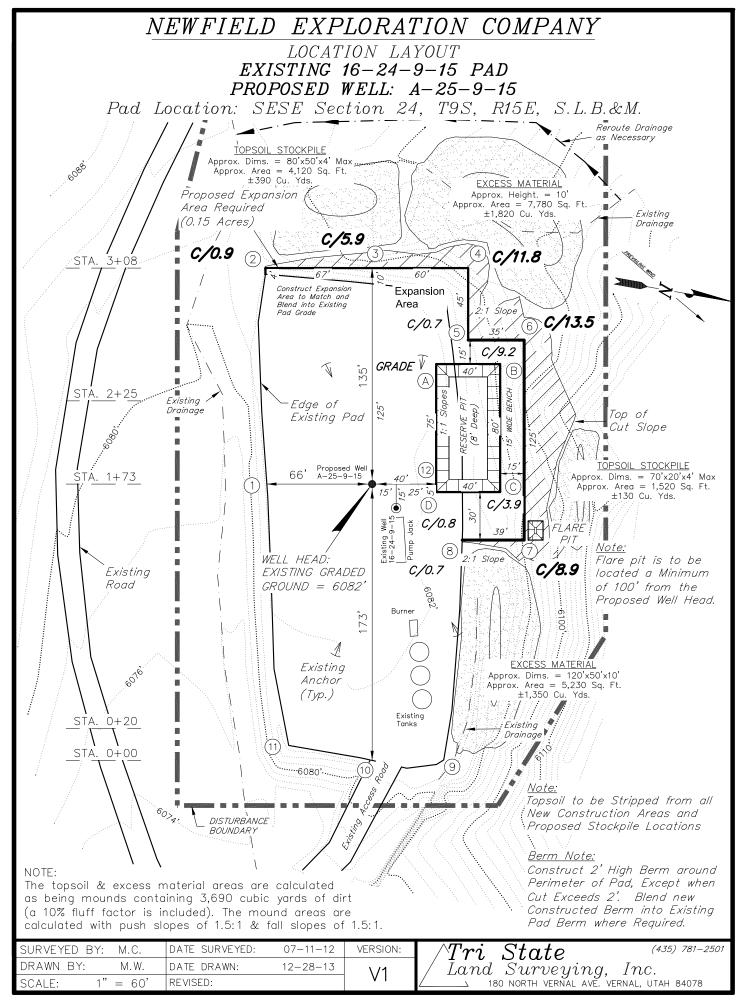
4/24/14	
Date	Heather Calder
	Regulatory Technician
	Newfield Production Company

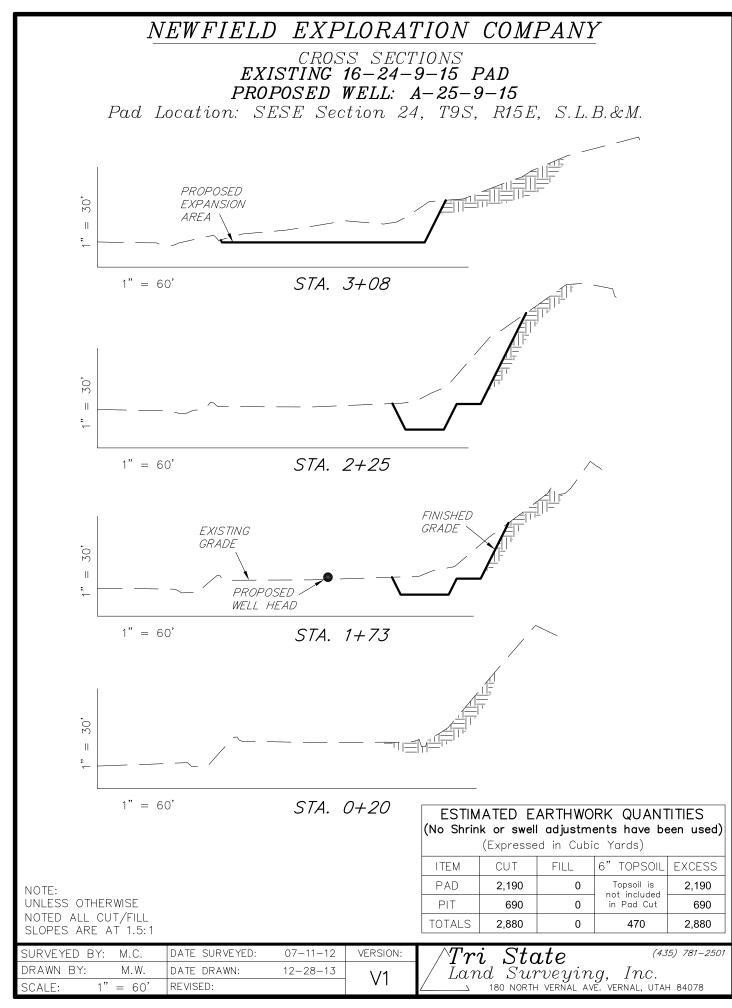
#### **Typical 2M BOP stack configuration**

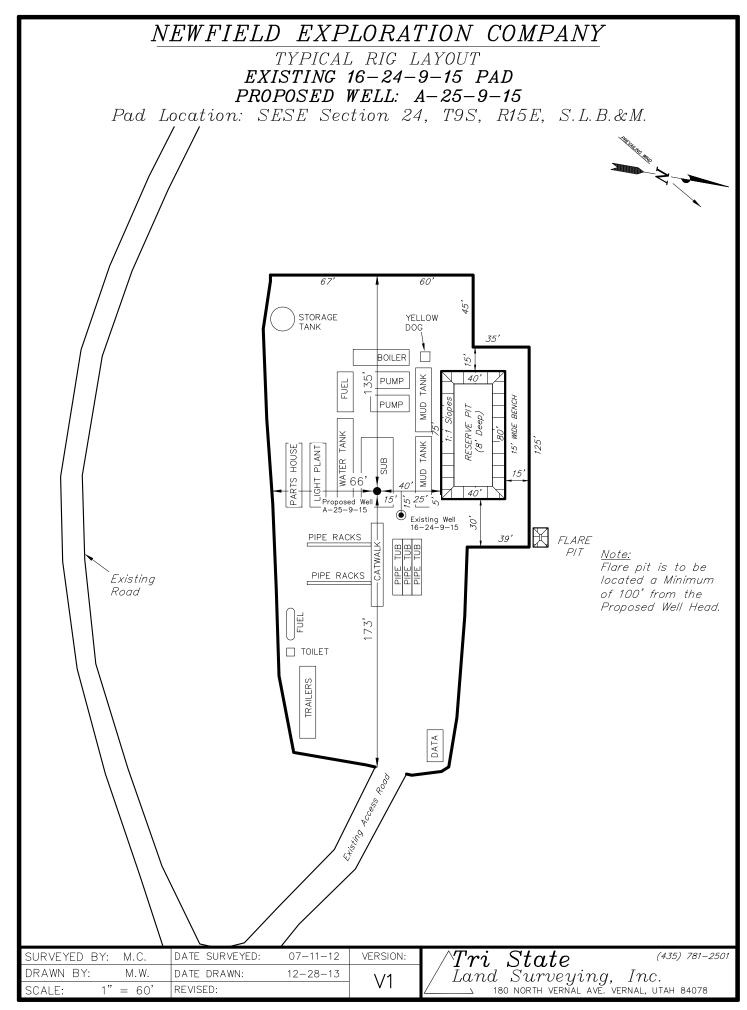


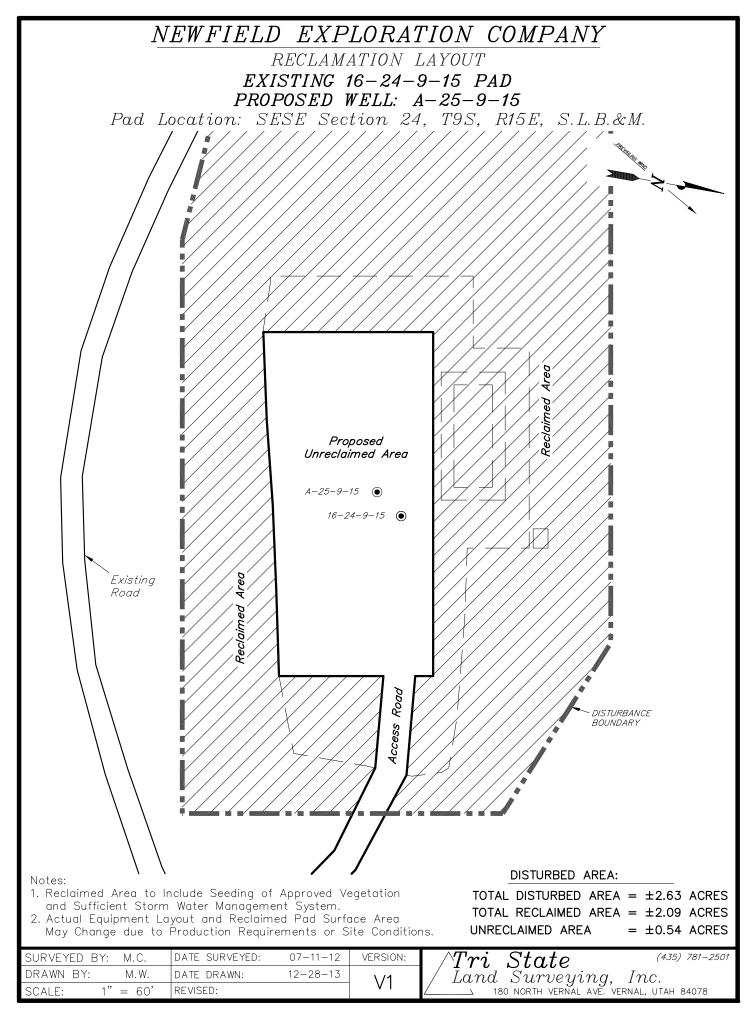
2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY











### NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

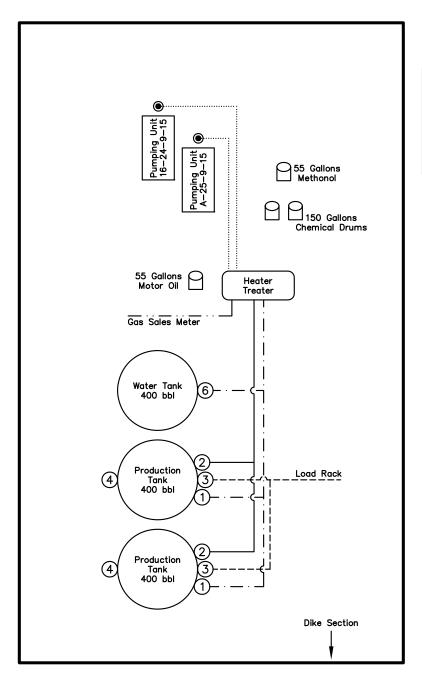
16-24-9-15 PAD

16-24-9-15 UTU-02458

A-25-9-15 UTU-02458

Pad Location: SESE Section 24, T9S, R15E, S.L.B.&M.

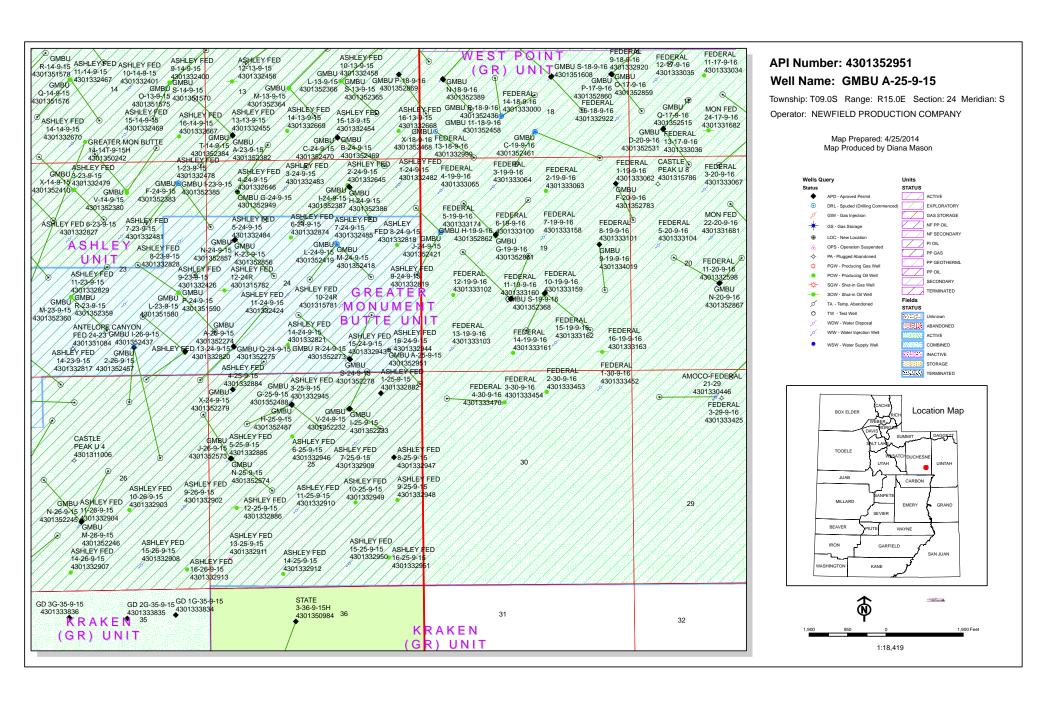
Duchesne County, Utah



#### $\underline{\textit{Legend}}$

NOT TO SCALE

SURVEYED BY:	M.C.	DATE SURVEYED:	07-11-12	VERSION:	$\wedge Tri$ $State$ (435) 781–2501
DRAWN BY:	M.W.	DATE DRAWN:	12-28-13	\ /1	/ Land Surveying, Inc.
SCALE:	NONE	REVISED:		V I	180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# **United States Department of the Interior**

#### BUREAU OF LAND MANAGEMENT

Utah State Office 440 West 200 South, Suite 500 Salt Lake City, UT 84101

IN REPLY REFER TO: 3160 (UT-922)

April 28, 2014

Memorandum

To: Assistant Field Office Manager Minerals,

Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2014 Plan of Development Greater Monument

Butte Unit, Duchesne and Uintah Counties,

Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2014 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API # WELL NAME LOCATION

(Proposed PZ GREEN RIVER)

43-013-52949 GMBU G-24-9-15 Sec 24 T09S R15E 0764 FNL 0777 FWL BHL Sec 24 T09S R15E 1458 FNL 1447 FWL

43-013-52950 GMBU X-13-9-15 Sec 24 T09S R15E 0758 FNL 0756 FWL BHL Sec 13 T09S R15E 0387 FSL 1529 FWL

43-013-52951 GMBU A-25-9-15 Sec 24 T09S R15E 0559 FSL 0811 FEL BHL Sec 25 T09S R15E 0308 FNL 0045 FEL

43-013-52952 GMBU H-13-9-15 Sec 13 T09S R15E 2005 FNL 1881 FEL

BHL Sec 13 T09S R15E 1096 FNL 2507 FWL

This office has no objection to permitting the wells at this time.

Michael Coulthard Digitally signed by Michael Coulthard DN: cn-Michael Coulthard, on-Bureau of Land Management, our-Division of Minerals, enail-meoutha@blm.gov, c=US Date: 2014.04.28 09:22:38 -06'00'

bcc: File - Greater Monument Butte Unit

Division of Oil Gas and Mining

Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:4-28-14

RECEIVED: April 30, 2014



**Newfield Exploration Company** 

PH 303-893-0102 | FAX 303-893-0103

1001 17th Street | Suite 2000

Denver, Colorado 80202

#### VIA ELECTRONIC DELIVERY

April 29, 2014

State of Utah, Division of Oil, Gas and Mining ATTN: Diana Mason P.O. Box 145801 Salt Lake City, UT 84114-5801

RE:

Directional Drilling GMBU A-25-9-15

Greater Monument Butte (Green River) Unit

Surface Hole:

T9S-R15E Section 24: SESE (UTU-02458)

559' FSL 811' FEL

At Target:

T9S-R15E Section 25: NENE (UTU-66185)

308' FNL 45' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 4/28/14, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing preexisting roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-323-9770 or by email at <a href="mailto:ldein@newfield.com">ldein@newfield.com</a>. Your consideration in this matter is greatly appreciated.

Sincerely, Newfield Production Company

Levi Dein Landman

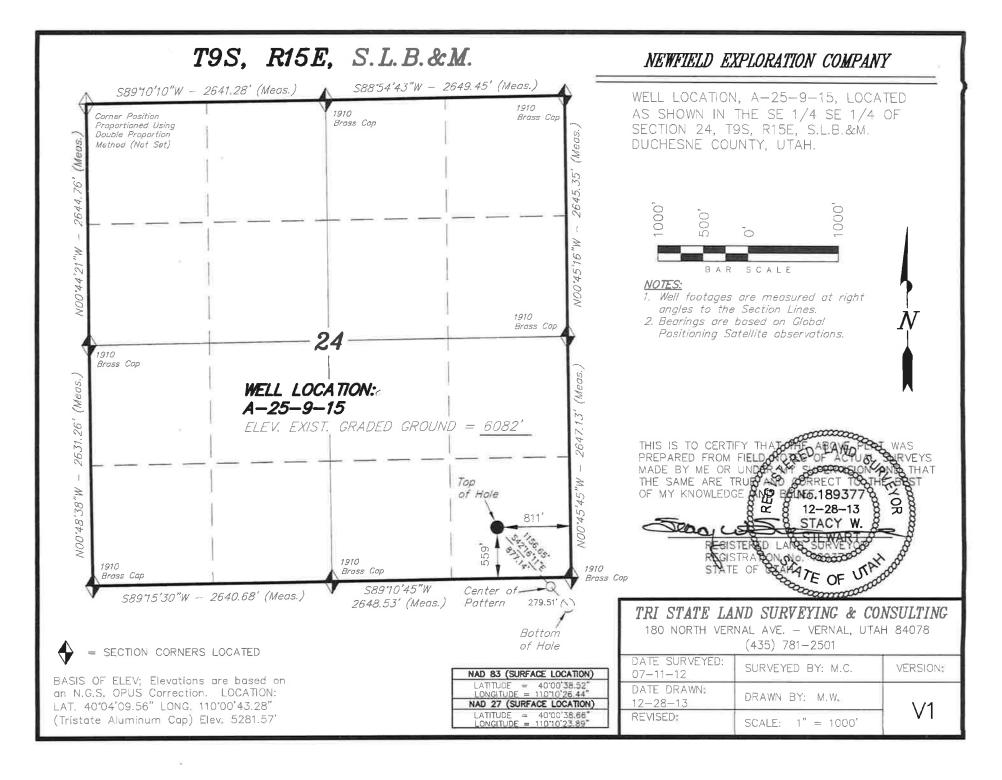
Form 3160-3 (August 2007) FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010 UNITED STATES DEPARTMENT OF THE INTERIOR 5. Lease Serial No. BUREAU OF LAND MANAGEMENT UTU02458 6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER **⊠** DRILL ☐ REENTER 7. If Unit or CA Agreement, Name and No. la. Type of Work: UTU87538X 8. Lease Name and Well No. GMBU A-25-9-15 1b. Type of Well: Single Zonc ☐ Multiple Zone Oil Well ☐ Gas Well □ Other Name of Operator
 NEWFIELD EXPLORATION 9. API Well No. Contact: HEATHER A CALDER E-Mail: hcalder@newfield.com 10. Field and Pool, or Exploratory 3a. Address 3b. Phone No. (include area code) **ROUTE 3 BOX 3630** Ph: 435-646-4936 MONUMENT BUTTE **MYTON, UT 84052** Fx: 435-646-3031 11. Sec., T., R., M., or Blk, and Survey or Area 4. Location of Well (Report location clearly and in accordance with any State requirements.\*) Sec 24 T9S R15E Mer SLB At surface SESE 559FSL 811FEL At proposed prod. zonc NENE 308FNL 45FEL 12. County or Parish
DUCHESNE 13. State 14. Distance in miles and direction from nearest town or post office\* UT 17.4 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 17. Spacing Unit dedicated to this well 16. No. of Acres in Lease 45 640.00 20.00 18. Distance from proposed location to nearest well, drilling, 19. Proposed Depth 20. BLM/BIA Bond No. on file completed, applied for, on this lease, ft. 5783 MD WYB000493 5644 TVD 23. Estimated duration 21. Elevations (Show whether DF, KB, RT, GL, etc. 22. Approximate date work will start 6082 GL 07/01/2014 7 DAYS 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form: Bond to cover the operations unless covered by an existing bond on file (see 1. Well plat certified by a registered surveyor. A Drilling Plan.
 A Surface Use Plan (if the location is on National Forest System Lands, the Item 20 above). Operator certification SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the authorized officer. 25. Signature Name (Printed/Typed) HEATHER A CALDER Ph: 435-646-4936 (Electronic Submission) 04/28/2014 REGULATORY TECHNICIAN Approved by (Signature) Name (Printed/Typed) Title Office Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

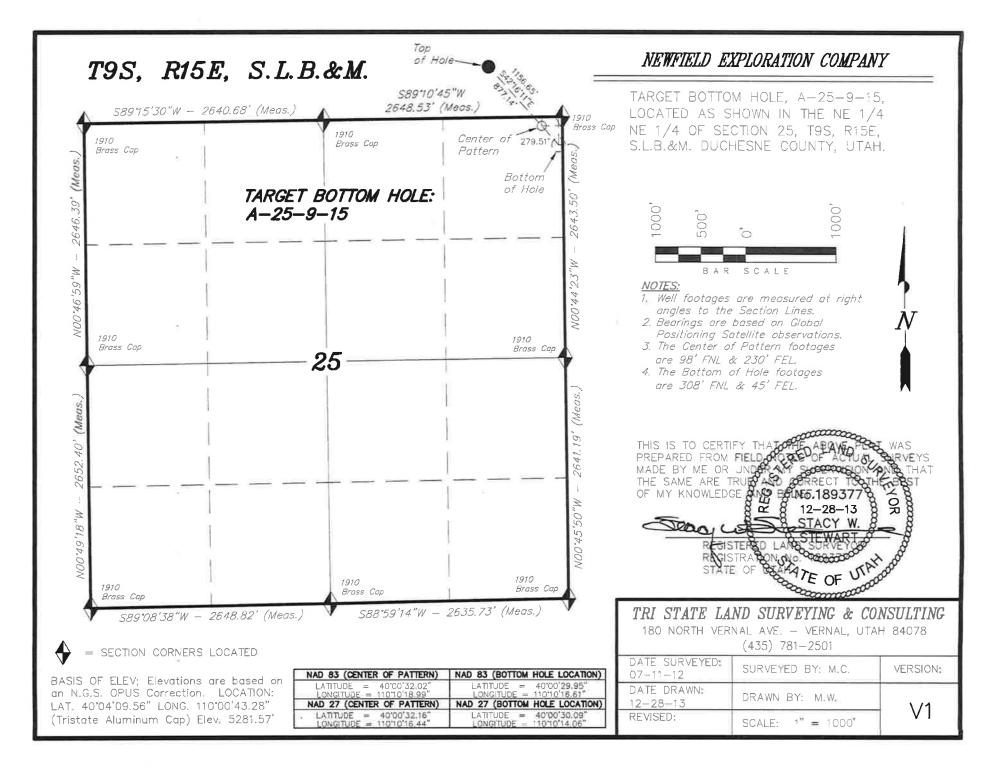
Additional Operator Remarks (see next page)

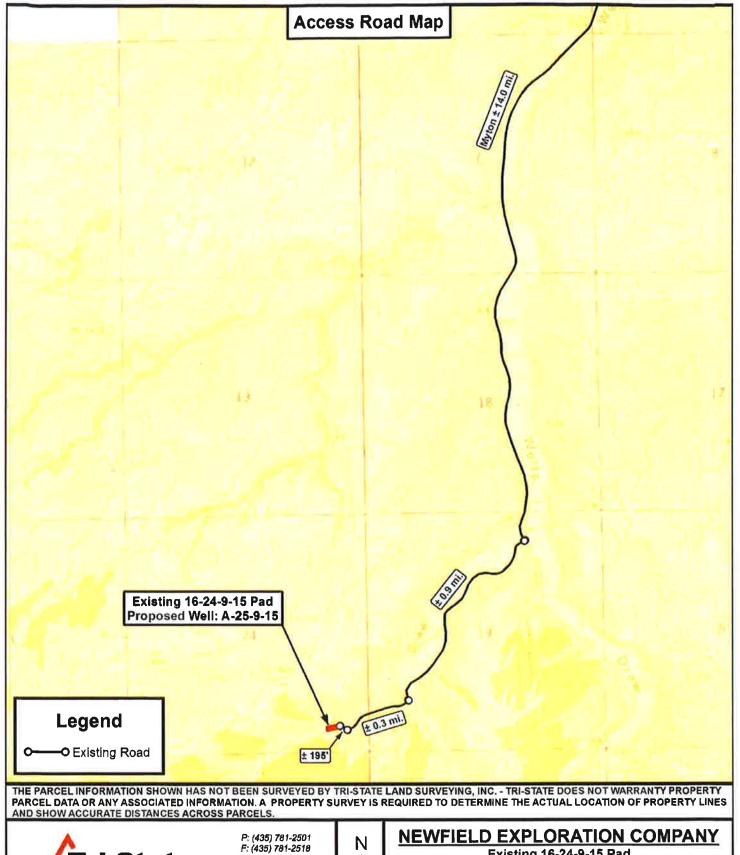
Electronic Submission #243691 verified by the BLM Well Information System For NEWFIELD EXPLORATION, sent to the Vernal

#### **Additional Operator Remarks:**

SURFACE HOLE LEASE: UTU-02458 BOTTOM HOLE LEASE: UTU-66185









DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-16-2014		V1
SCALE:	1 " = 2,000 '		VI

Existing 16-24-9-15 Pad Proposed Well: A-25-9-15 Sec. 24, T9S, R15E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP



API Well Number: 43013529510000

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 4/24/2014 **API NO. ASSIGNED:** 43013529510000

WELL NAME: GMBU A-25-9-15

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) PHONE NUMBER: 435 646-4936

**CONTACT:** Heather Calder

PROPOSED LOCATION: SESE 24 090S 150E Permit Tech Review:

SURFACE: 0559 FSL 0811 FEL Engineering Review:

BOTTOM: 0308 FNL 0045 FEL Geology Review: 

✓

COUNTY: DUCHESNE

LATITUDE: 40.01076 LONGITUDE: -110.17403 UTM SURF EASTINGS: 570494.00 NORTHINGS: 4429278.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-02458 PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal COALBED METHANE: NO

**RECEIVED AND/OR REVIEWED: LOCATION AND SITING:** ✓ PLAT R649-2-3. Unit: GMBU (GRRV) Bond: FEDERAL - WYB000493 **Potash** R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception **Drilling Unit** Oil Shale 190-13 Board Cause No: Cause 213-11 Water Permit: 437478 Effective Date: 11/30/2009 **RDCC Review:** Siting: Suspends General Siting Fee Surface Agreement

Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

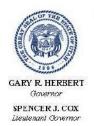
Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

15 - Directional - dmason

27 - Other - bhill

RECEIVED: May 05, 2014



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

## Permit To Drill

\*\*\*\*\*\*

Well Name: GMBU A-25-9-15 API Well Number: 43013529510000

Lease Number: UTU-02458 Surface Owner: FEDERAL Approval Date: 5/5/2014

#### Issued to:

NEWFIELD PRODUCTION COMPANY, Rt 3 Box 3630, Myton, UT 84052

#### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available) OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

#### Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
  - Requests to Change Plans (Form 9) due prior to implementation
  - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
  - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

## ITEUCIVED

Form 3160-3 (August 2007)

**UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**  APR 2 8 2014

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

5. Lease Serial No.

B	N	V

	01002438	
APPLICATION FOR PERMIT	If Indian, Allottee or Tribe Name     If Unit or CA Agreement, Name and No. UTU87538X     Lease Name and Well No.	
la. Type of Work: DRILL REENTER		
1b. Type of Well: Gas Well Gas Well Oth	er Single Zone  Multiple Zone	GMBU A-25-9-15
2. Name of Operator Contact: NEWFIELD EXPLORATION COMPSANA: healder	9. API Well No. 43 013 - 5295/	
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-3031	10. Field and Pool, or Exploratory MONUMENT BUTTE
4. Location of Well (Report location clearly and in accorda	nce with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Area
At surface SESE 559FSL 811FEL At proposed prod. zone NENE 308FNL 45FEL		Sec 24 T9S R15E Mer SLB SME: BLM
14. Distance in miles and direction from nearest town or post 17.4	office*	12. County or Parish DUCHESNE 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated to this well
45	640.00 JAN 05 2015	20.00
18. Distance from proposed location to nearest well, drilling,		20. BLM/BIA Bond No. on file
completed, applied for, on this lease, ft. 892	19. Proposed Depth 5783 MD DIV. OF OIL, GAS & MINING 5644 TVD	I
21. Elevations (Show whether DF, KB, RT, GL, etc. 6082 GL.	22. Approximate date work will start 07/01/2014	23. Estimated duration 7 DAYS
	24. Attachments	
The following, completed in accordance with the requirements of	f Onshore Oil and Gas Order No. 1, shall be attached to	this form:
Well plat certified by a registered surveyor.     A Drilling Plan.	4. Bond to cover the operation Item 20 above).	ons unless covered by an existing bond on file (see
A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Of	em Lands, the 5. Operator certification	formation and/or plans as may be required by the
25. Signature (Electronic Submission)	Name (Printed/Typed) HEATHER A CALDER Ph: 435-646-49	Date 04/28/2014
Title REGULATORY TECHNICIAN		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	NOV 2 4 20H
Title Assignment Field Manager	Office VERNAL FIELD OFFIC	
Application approval does not warrant or certify the applicant hoperations thereon.  Conditions of approval, if any, are attached.	lds legal or equitable title to those rights in the subject le	ase which would entitle the applicant to conduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 1 States any false, fictitious or fraudulent statements or representati	nake it a crime for any person knowingly and willfully to ions as to any matter within its jurisdiction.	o make to any department or agency of the United

Additional Operator Remarks (see next page)

Electronic Submission #243691 verified by the BLM Well information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
hitted to AFMSS for processing by JOHNETTA MAGEE on 06/02/2014 (14JM0751AE)

UDOGM

**NOTICE OF APPROVAL** 

CONDITIONS OF APPROVAL AT

\*\* BLM REVISED \*\*

NOS 4/11/14



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

**VERNAL, UT 84078** 

(435) 781-4400



### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No:

**Newfield Production Company** 

170 South 500 East

: GMBU A-25-9-15 43-013-52951 Location: Lease No:

Agreement:

SESE, Sec. 24, T9S R15E

UTU-02458

**Greater Monument Butte** 

API No: 43-01

.

OFFICE NUMBER:

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

# A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

-	Forty-Eight (48) hours prior to construction of location and access roads.
-	Prior to moving on the drilling rig.
-	Twenty-Four (24) hours prior to spudding the well.
-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:  blm_ut_vn_opreport@blm.gov
-	Twenty-Four (24) hours prior to initiating pressure tests.
-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.
	-

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# SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop
  work and contact the Authorized Officer (AO). A determination will be made by the AO as to what
  mitigation may be necessary for the discovered paleontologic material before construction can
  continue.

#### **Site Specific COAs**

#### Minerals and Paleontology

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop
  work and contact the Authorized Officer (AO). A determination will be made by the AO as to what
  mitigation may be necessary for the discovered paleontologic material before construction can
  continue.

#### **Green River District Reclamation Guidelines**

The Operator will comply with the requirements of the *Green River District (GRD) Reclamation Guidelines* formalized by Green River District Instructional Memo UTG000-2014-004 on May 21, 2014.

#### **CONDITIONS OF APPROVAL**

#### Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.
- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

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#### COA's derived from mitigating measures in the EA:

If construction and drilling is anticipated during any of the following wildlife seasonal spatial restrictions, a BLM biologist or a qualified consulting firm biologist must conduct applicable surveys using an accepted protocol prior to any ground disturbing activities.

The well is located within crucial elk calving habitat. To minimize impacts construction and drilling
is not allowed from May 15 – June 30. This restriction would not apply to maintenance and
operation of existing facilities. This stipulation may be excepted if either the resource values
change or the lessee/operator demonstrates to BLM's satisfaction that adverse impacts can be
mitigated.

#### For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.
- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
  - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fished
  - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and
  - Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
  - o Screen all pump intakes with 3/32-inch mesh material.
- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
   Utah Division of Wildlife Resources
   Northeastern Region
   318 N Vernal Ave.
   Vernal, UT 84078
   (435) 781-9453

#### Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.

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- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production
  equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.
- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO<sub>2</sub> National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas—fired drill rigs, installation of NO<sub>X</sub> controls, time/use restrictions, and/or drill rig spacing.
- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horse power must not emit more than 2 grams of NO<sub>X</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower-hour.
- All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 grams of NO<sub>x</sub> per horsepower-hour.
- Green completions will be used for all well completion activities where technically feasible.

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#### DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

 Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the, authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
  encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal
  Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

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or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

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#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written communication
  and must be received in this office by not later than the fifth business day following the date on
  which the well is placed on production. The notification shall provide, as a minimum, the following
  informational items:
  - o Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of

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the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration and all
  future meter proving schedules. A copy of the meter calibration reports shall be submitted to the
  BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid
  hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall
  be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to
  the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first.
  All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All
  product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in
  accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval
  of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
  of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in

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hole, and the current status of the surface restoration.

Sundry Number: 62606 API Well Number: 43013529510000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-02458
SUNDF	RY NOTICES AND REPORTS C	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: GMBU A-25-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY			9. API NUMBER: 43013529510000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0559 FSL 0811 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNS	0559 FSL 0811 FEL TR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 24 Township: 09.0S Range: 15.0E Meridian: S		STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION		
7	ACIDIZE [	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
5/5/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN [	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion.	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIBE BROROSED OR	COMPLETED OPERATIONS. Clearly show al	I portinent details including dates	donths volumes ato
I .	to extend the Application for		The state of the s
			Date:
			By: Loggill
			<del>Q</del> <del>Q</del>
NAME (DI EAGE BOWE)	5000F 1000F	D TITLE	
NAME (PLEASE PRINT) Mandie Crozier	<b>PHONE NUMBE</b> 435 646-4825	R TITLE Regulatory Tech	
SIGNATURE N/A		<b>DATE</b> 4/15/2015	

Sundry Number: 62606 API Well Number: 43013529510000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

#### Request for Permit Extension Validation Well Number 43013529510000

**API:** 43013529510000 **Well Name:** GMBU A-25-9-15

Location: 0559 FSL 0811 FEL QTR SESE SEC 24 TWNP 090S RNG 150E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 5/5/2014

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes <a href="#"></a></li></ul>
• Has the approved source of water for drilling changed? 🔘 Yes 📵 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well? 📵 Yes 🔘 No
Signature: Mandie Crozier Date: 4/15/2015

Sundry Number: 71132 API Well Number: 43013529510000

STATE OF UTAH			FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-02458	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: GMBU A-25-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013529510000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT			9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0559 FSL 0811 FEL			COUNTY: DUCHESNE
	Qtr/Qtr: SESE Section: 24 Township: 09.0S Range: 15.0E Meridian: S		STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
5/5/2016	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION		
J. 10 51 5p. 11		SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
_	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	✓ APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
I .	completed operations. Clearly show all pto extend the Application for P		
NAME (PLEASE PRINT) Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	TITLE Regulatory Tech	
SIGNATURE N/A		<b>DATE</b> 4/14/2016	

Sundry Number: 71132 API Well Number: 43013529510000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

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• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Mandie Crozier Date: 4/14/2016

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY